



SEQUENCE LISTING

<110> Tokusumi, Tsuyoshi
Iida, Akihiro
Hasegawa, Mamoru
Nagai, Yoshiyuki

<120> Paramyxovirus vectors used for transfer
of foreign genes

<130> 50026/025001

<140> US 09/702,498

<141> 2000-10-31

<150> JP 2000-152726

<151> 2000-05-18

<160> 34

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 1

ccaccgacca caccagcgg ccgcgacagc cacggcttcg g

41

<210> 2

<211> 41

<212> DNA

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Sendai virus

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ccgaagccgt ggctgtcgcg gccgctgggt gtggtcggtg g

41

<210> 3

<211> 40

<212> DNA

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Sendai virus

<400> 3

gaaatttcac ctaagcggcc gcaatggcag atatctatag

40

<210> 4
<211> 40
<212> DNA
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Sendai virus

<400> 4
ctatagatat ctgccattgc ggccgcttag gtgaaatttc 40

<210> 5
<211> 43
<212> DNA
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Sendai virus

<400> 5
gggataaagt cccttgcggc cgcttggttg caaaactctc ccc 43

<210> 6
<211> 43
<212> DNA
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Sendai virus

<400> 6
ggggagagtt ttgcaaccaa gcggccgcaa gggactttat ccc 43

<210> 7
<211> 47
<212> DNA
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<400> 7
ggtcgcgcgg tacttttagcg gccgcctcaa acaagcacag atcatgg 47

<210> 8
<211> 47
<212> DNA
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Sendai virus

<400> 8

ccatgatctg tgcttgtttg aggcggccgc taaagtaccg cgcgacc

47

<210> 9

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

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<400> 9

cctgcccac catgacctag cggccgcttc ccattcaccc tggg

44

<210> 10

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the Sendai virus

<400> 10

cccagggatga atgggaagcg gccgctaggt catggatggg cagg

44

<210> 11

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from human secreted alkaline phosphatase

<400> 11

gcggcgcgcc atgctgctgc tgctgctgct gctgggcctg

40

<210> 12

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from human secreted alkaline phosphatase

<400> 12

gcggcgcgcc cttatcatgt ctgctcgaag cggccggccg

40

<210> 13

<211> 74

<212> DNA

<213> Artificial Sequence

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<223> Artificially synthesized sequence containing a multicloning site

<400> 13
gcggccgcgt ttaaaccggcg cgccatttaa atccgtagta agaaaaactt aggggtgaaag 60
ttcatcgcgg ccgc 74

<210> 14
<211> 74
<212> DNA
<213> Artificial Sequence

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multicloning site

<400> 14
gcggccgcga tgaactttca ccctaagttt ttcttactac ggatttaa at ggcgcgccgt 60
ttaaaccggcg ccgc 74

<210> 15
<211> 40
<212> DNA
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directed mutagenesis of the Sendai virus

<400> 15
ggagaagtct caacaccgtc cacccaagat aatcgatcag 40

<210> 16
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
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directed mutagenesis of the Sendai virus

<400> 16
ctgatcgatt atcttgggtg gacggtgttg agacttctcc 40

<210> 17
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
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directed mutagenesis of the Sendai virus

<400> 17
gtatatgtgt tcagttgagc ttgctgtcgg tctaaggc 38

<210> 18
<211> 38
<212> DNA
<213> Artificial Sequence

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 directed mutagenesis of the Sendai virus

<400> 18
 gccttagacc gacagcaagc tcaactgaac acatatac 38

<210> 19
 <211> 45
 <212> DNA
 <213> Artificial Sequence

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 directed mutagenesis of the Sendai virus

<400> 19
 caatgaactc tctagagagg ctggagtcac taaagagtta cctgg 45

<210> 20
 <211> 45
 <212> DNA
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A7
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<400> 20
 ccaggtaact ctttagtgac tccagcctct ctagagagtt cattg 45

<210> 21
 <211> 52
 <212> DNA
 <213> Artificial Sequence

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<400> 21
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<210> 22
 <211> 52
 <212> DNA
 <213> Artificial Sequence

<220>
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 directed mutagenesis of the Sendai virus

<400> 22
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<210> 23
 <211> 47
 <212> DNA

<213> Artificial Sequence

<220>

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directed mutagenesis of the Sendai virus

<400> 23

cttaggggtga aagaaatttc agctagcacg gcgcaatggc agatatc

47

<210> 24

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 24

gatatctgcc attgcgccgt gctagctgaa atttctttca ccctaag

47

<210> 25

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

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directed mutagenesis of the Sendai virus

A7 <400> 25

cttaggggata aagtccttg tgccgcgttg gttgcaaaac tctcccc

47

<210> 26

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 26

ggggagagtt ttgcaaccaa gcgcgcacaa gggactttat ccctaag

47

<210> 27

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

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directed mutagenesis of the Sendai virus

<400> 27

ggtcgcgcgg tacttttagtc gacacctcaa acaagcacag atcatgg

47

<210> 28

<211> 47
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence for use in site
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 <400> 28
 ccatgatctg tgcttggttg aggtgtcgac taaagtaccg cgcgacc 47

 <210> 29
 <211> 49
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence for use in site
 directed mutagenesis of the Sendai virus

 <400> 29
 cccagggtga atgggaaggg ccggccaggt catggatggg caggagtcc 49

 <210> 30
 <211> 49
 <212> DNA
 <213> Artificial Sequence

 <220>
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 directed mutagenesis of the Sendai virus

 <400> 30
 ggactcctgc ccatccatga cctggccggc ccttcccatt caccctggg 49

 <210> 31
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence containing a
 multicloning site, a transcription start signal,
 and stop signal

 <400> 31
 ggccgcttaa ttaacgggtt aaacgcgcgc caacagtgtt gataagaaaa acttaggggtg 60
 aaagttcatc ac 72

 <210> 32
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence containing a
 multicloning site, a transcription start signal,
 and stop signal

<400> 32
ggccgtgatg aactttcacc ctaagttttt cttatcaaca ctggtggcgc gcgtttaaac 60
cgtaaattaa gc 72

<210> 33
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
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Sendai Virus S Sequence

<400> 33
ctttcaccct 10

A7
Conc'd
<210> 34
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially Synthesized Sequence Containing the
Sendai Virus E Sequence

<400> 34
tttttcttac tacgg 15